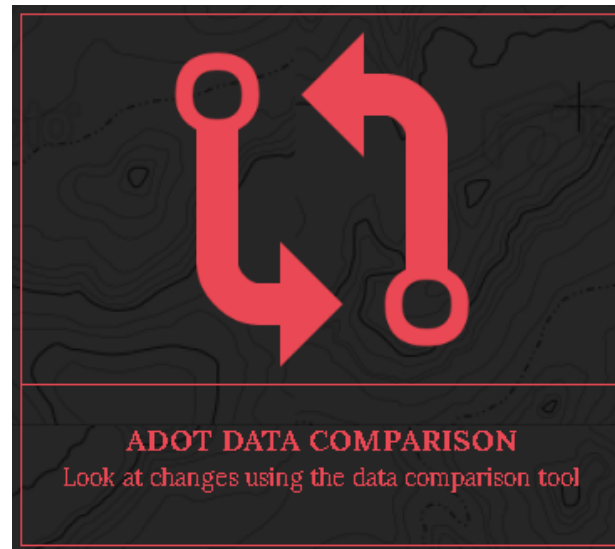


# Centerline Data Comparison Help and Info



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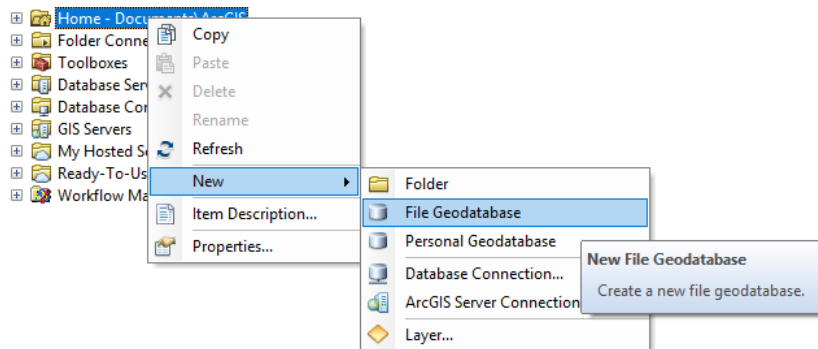
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## Data Prep for AZGEO Centerline Data Comparison:

### Database Creation

1. Create a FGDB (File Geodatabase, .gdb). The FGDB name can be anything the user wishes. (To create an FGDB in ArcMap right click a folder in catalog and select New, then File Geodatabase as shown in the example below.)

*Example:*



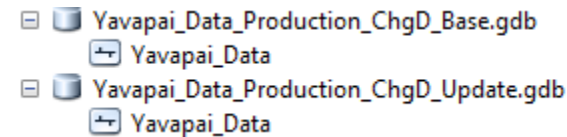
2. Put a copy of the newer centerline (update) feature class to be processed in this FGDB.
3. If you have run this process before on data from this county/city you may choose not to create a FGDB with an older centerline (base) feature class. By doing this you will compare your newer centerline (update) feature class against the previously run newer centerline (update) feature class (This function will be available in Sep/Oct 2018). If you choose to do this skip to step 5, if you would like to provide the older centerline (base) feature class proceed to the next step.

4. Create another FGDB in the same way as above except put the older centerline (base) feature class to be processed in this FGDB.

### Required Centerline Feature Class Name

5. Centerline Feature Class Name: Name the centerline feature class in each FGDB the name of the county/city '\_Data'. For example a Yavapai County centerline feature class would need to be named 'Yavapai\_Data' (This is case sensitive). Refer to the 'Feature Class Name' column on page 3 below which lists the expected centerline feature class name for each county/city. If this is not done the Centerline Data Validation process will fail.

*Example:*

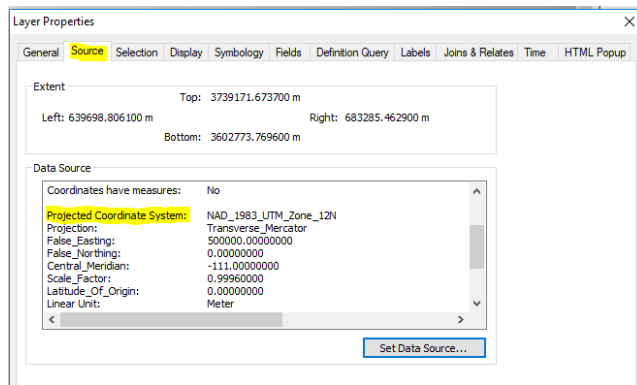


## Required Centerline Feature Class Fields

1. The centerline feature classes must have a field named 'OBJECTID' populated with unique number values or the Centerline Data Validation process will fail.
2. Ensure the data contains the appropriate field(s) specified in the 'Derived Road Name Field(s)', 'Address Fields' and 'LRS\_FIX' columns in the table on page 3. If these specified field(s) no longer exist or are named differently in the data the Centerline Data Validation process will fail.

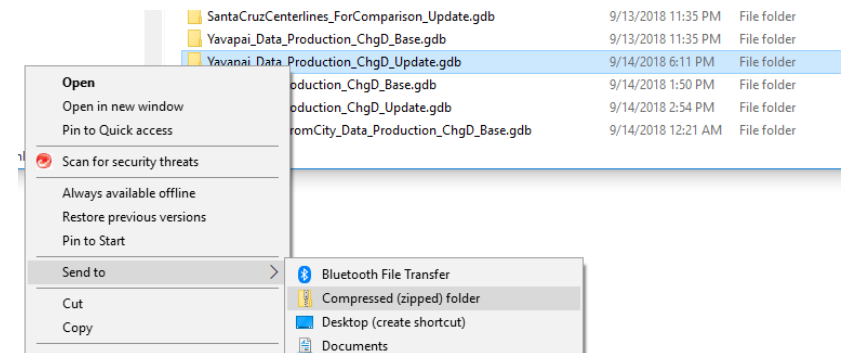
## Suggested Projected Coordinate System

3. It would be best to ensure the data is in the specified projected coordinate system as shown in the 'Projected Coordinate System' column in the table on the next page. If the data is not in the specified coordinate system the Centerline Data Validation process could possibly fail. To view the projected coordinate system in ArcMap, bring the feature class into ArcMap, right-click the feature class in the table of contents, click properties then go to the source tab.



## Finalize Databases

4. Zip the FGDBs into 2 separate zip files, these zipped versions of the FGDBs will be used as the input for the Centerline Comparison process.

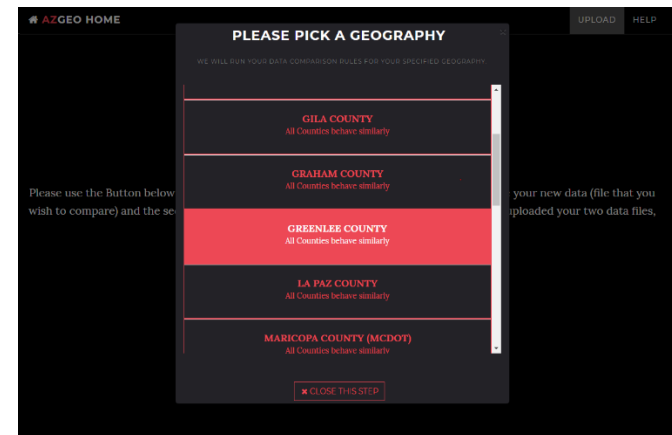


## Centerline Feature Class Requirements Reference Table (Centerline Comparison)

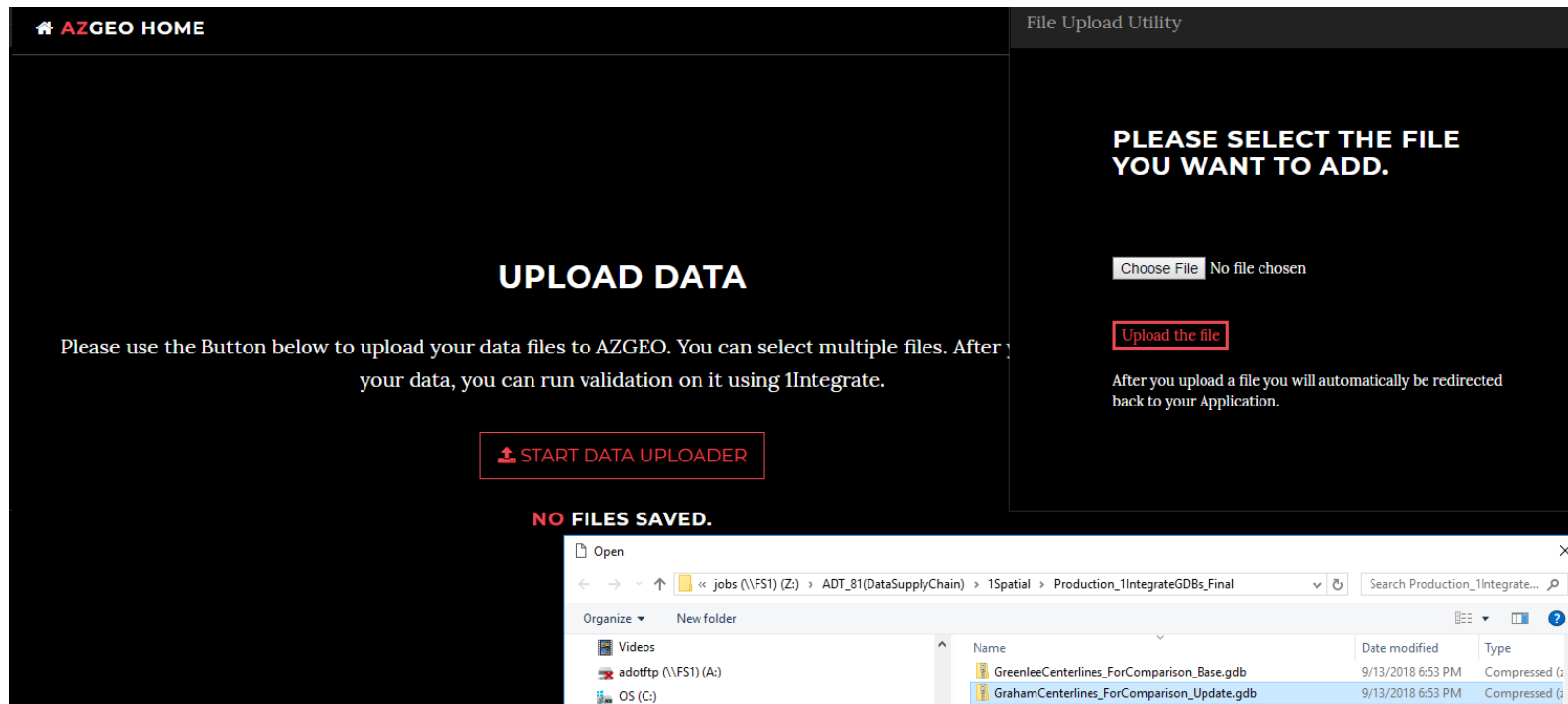
Location	Feature Class Name (Case Sensitive)	Derived Road Name Field(s) (Case Sensitive)	LRS_FIX Field (Case Sensitive)	Address Field: Left From (Case Sensitive)	Address Field: Left To (Case Sensitive)	Address Field: Right From (Case Sensitive)	Address Field: Right To (Case Sensitive)	Projected Coordinate System
Apache County	Apache_Data	FULL_NAME	Lrs_Fix	FROM_ADD_L	TO_ADD_L	FROM_ADD_R	TO_ADD_R	NAD_1983_StatePlane_Arizona_East_FIPS_0201_Feet
City of Prescott	Prescott_Data	FULLST_NAME	LRS_FIX	FROMLEFT	TOLEFT	FROMRIGHT	TORIGHT	NAD_1983_StatePlane_Arizona_Central_FIPS_0202_Feet_Intl
Cochise County	Cochise_Data	STREET	LRS_FIX	FROMADDL	TOADDL	FROMADDR	TOADDR	NAD_1983_StatePlane_Arizona_East_FIPS_0201_Feet
Coconino County	Coconino_Data	FULLNAME	LRS_FIX	LEFTFROMADDR	LEFTTOADDR	RIGHTFROMADDR	RIGHTTOADDR	NAD_1983_StatePlane_Arizona_Central_FIPS_0202_Feet_Intl
Gila County	Gila_Data	RDNNAME	LRS_FIX	LEFT_FROM	LEFT_TO	RIGHT_FROM	RIGHT_TO	NAD_1983_StatePlane_Arizona_Central_FIPS_0202_Feet_Intl
Graham County	Graham_Data	STREET	LRS_FIX	LLO	LHI	RLO	RHI	NAD_1983_StatePlane_Arizona_East_FIPS_0201_Feet
Greenlee County	Greenlee_Data	FULLNAME	Lrs_Fix	FROM_ADD_L	TO_ADD_L	FROM_ADD_R	TO_ADD_R	NAD_1983_UTM_Zone_12N
La Paz County	LaPaz_Data	FULL_NAME	LRS_FIX	FROM_ADD_L	TO_ADD_L	FROM_ADD_R	TO_ADD_R	NAD_1983_StatePlane_Arizona_West_FIPS_0203_Feet_Intl
Maricopa County (MCDOT)	Maricopa_Data	ROUTENAME	LRS_FIX	ADD1_L	ADD2_L	ADD1_R	ADD2_R	NAD_1983_HARN_StatePlane_Arizona_Central_FIPS_0202_Feet_Intl
Mohave County	Mohave_Data	FNM	LRS_FIX	LFROM	LTO	RFROM	RTO	NAD_1983_NSR52007_StatePlane_Arizona_West_FIPS_0203_Ft_Intl
Navajo County	Navajo_Data	FULL_NAME	Lrs_Fix	FROM_ADD_L	TO_ADD_L	FROM_ADD_R	TO_ADD_R	NAD_1983_StatePlane_Arizona_Central_FIPS_0202_Feet_Intl
Pima County	Pima_Data	STREET	LRS_FIX	L_ADD_FROM	L_ADD_TO	R_ADD_FROM	R_ADD_TO	NAD_1983_StatePlane_Arizona_Central_FIPS_0202_Feet_Intl
Pinal County	Pinal_Data	STS, STN	LRS_FIX	LLO	LHI	RLO	RHI	NAD_1983_StatePlane_Arizona_Central_FIPS_0202_IntlFeet
Santa Cruz County	SantaCruz_Data	STREET	LRS_FIX	L_F_ADD	L_T_ADD	R_F_ADD	R_T_ADD	NAD_1983_StatePlane_Arizona_Central_FIPS_0202_Feet
Yavapai County	Yavapai_Data	FULLST_NAME, MSAG_LEFT	LRS_FIX	FROMLEFT	TOLEFT	FROMRIGHT	TORIGHT	NAD_1983_StatePlane_Arizona_Central_FIPS_0202_Feet_Intl
Yuma County (From City of Yuma)	Yuma_Data	FullStreetName	LRS_Fix	FromAddr_L	ToAddr_L	FromAddr_R	ToAddr_R	NAD_1983_StatePlane_Arizona_West_FIPS_0203_Feet
Yuma County (From Yuma County)	Yuma_Data	FULL_NAME	LRS_FIX	FROM_ADD_L	TO_ADD_L	FROM_ADD_R	TO_ADD_R	NAD_1983_StatePlane_Arizona_West_FIPS_0203_Feet

## Running AZGEO Centerline Comparison:

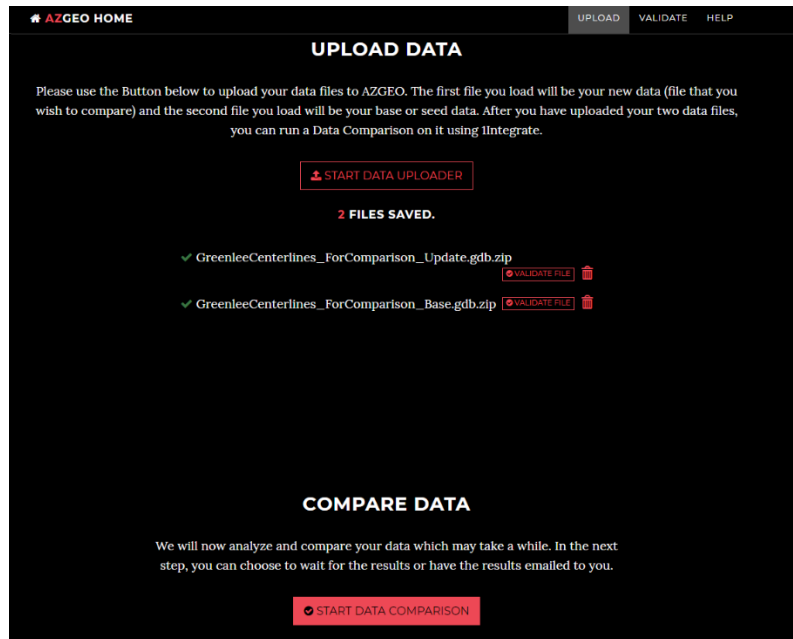
1. Once you are inside the 'Arizona GeoData Supply Chain App' and choose to 'Validate your Data', you will be taken to the screen below. Click on either the 'ADOT Data Comparison' or 'Run Both Tools' icon
2. Select the 'Change Detection Project' icon and select the county/city data you will be running.



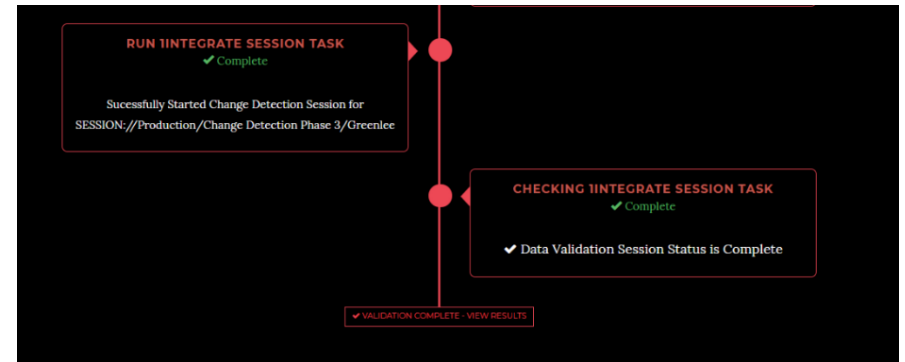
3. Click the 'Start Data Uploader' button.
4. Click the 'Choose File' button and select the zipped FGDB containing the newer centerline (update) data in windows explored (click open).
5. Click the 'Upload the file' button.
6. If you have run this process before on data for this county/city, you may choose not to upload a FGDB with an older centerline (base) feature class. By doing this you will compare your uploaded newer centerline (update) feature class against the previously run newer centerline (update) feature class (This will be available in Sep/Oct 2018). If you choose to do this skip to step 9, if you would like to provide the older centerline (base) feature class to compare proceed to the next step.
7. Click the 'Start Data Uploader' button.
8. Click the 'Choose File' button and select the zipped FGDB containing the older centerline (base) data in windows explored (click open).



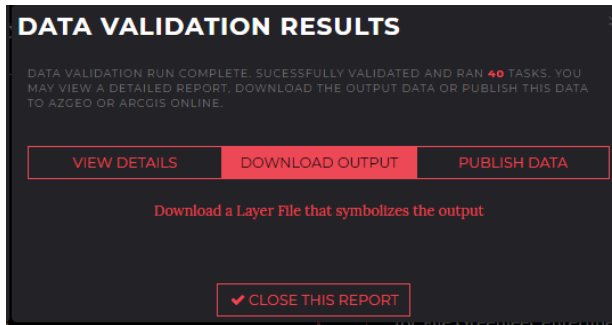
9. Click the 'Start Data Comparison' button



10. Once the 'Data Validation Session Status is Complete' message appears the 'Data Validation Results' box will become available.



11. Click 'Download Output' and the results will be downloaded. This data will most commonly be in the 'Downloads' folder on your computer.

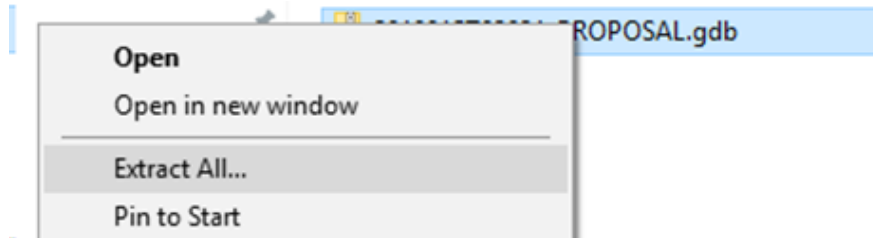


12. Also click the 'Download a Layer File that symbolizes the output' button if you would like a layer file to symbolize the output in ArcMap.

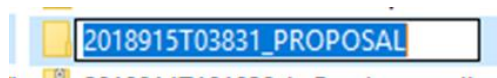


## Data Post Processing for AZGEO Centerline Comparison:

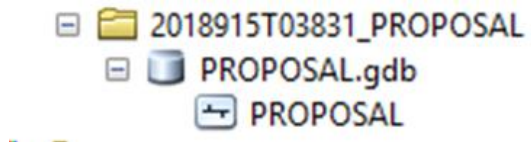
1. Put the downloaded zipped FGDB folder in a desired location.
2. Unzip the folder.



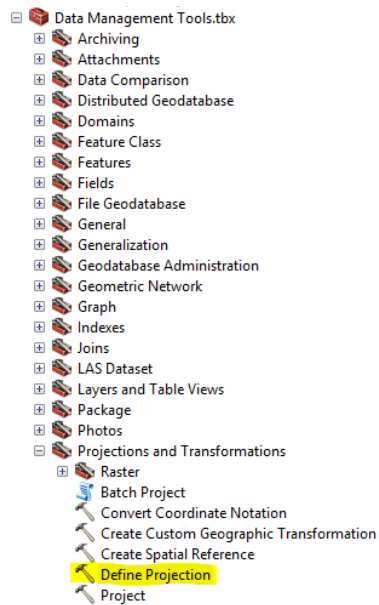
3. Take the .gdb off of the end of the folder name by renaming it. The actual FGDB is inside this folder and if this folder has a .gdb extension ArcMap will not be able to read the FGDB inside.



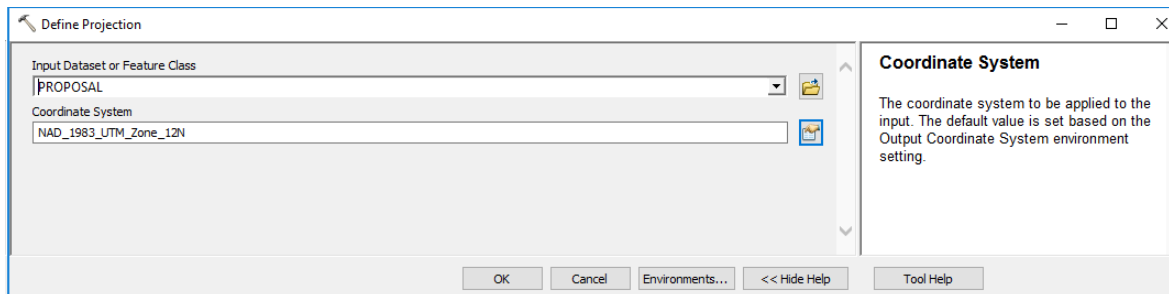
*(Below is what the data should look like in ArcCatalog)*



4. In ArcMap open the 'Define Projection' tool in 'Data Management Tools'



5. Run 'Define Projection' on the 'Proposal' feature class. Set the 'Coordinate System' to the same projected coordinate system as the centerline feature classes that were processed. The output loses its coordinate system definition in the centerline comparison process and must be defined again using this tool. If you do not run this tool your centerline file and comparison output may appear in different locations when viewed in ArcMap.



## Centerline Comparison Output (Proposal) Change Type Definitions:

### Output Data Feature Class

Name: PROPOSAL

Fields: 24

- The output (Proposal) contains a spatial representation of what has changed between an older (base) centerline file and a newer (update) centerline file. Only the spatial representations of records that have changed exist in the output, the records that have not changed are not included.

### Process Output (Proposal) Field 'Type':

- The 'Type' field in the change detection process output (Proposal) designates what change occurred between the older and newer version of the centerlines.

### Change Types ('Type' Field Values):

Shape Change: ADD, DELETE, MERGE, SPLIT, TRIM, EXTENSION, PARTIAL RESHAPE, RESHAPE and MAINTAIN GEOMETRY

Road Name AND/OR Address Change: SCALAR UPDATE, 'SCALAR –'

The following information in this document defines all the change types listed above:

**Change Type: ADD**

Definition: This is a new centerline that did not exist in the older centerline file (base)



Older Centerline (Base)



Newer Centerline (Update)



Change Detection Output (PROPOSAL)



**Change Type: DELETE**

Definition: This is a centerline that no longer exists in the newer centerline file (update)



Older Centerline (Base)



Newer Centerline (Update)



Change Detection Output (PROPOSAL)

### Change Type: RESHAPE

Definition: This is a new centerline record (update) that has changed shape in its entirety from its older centerline representation (base)



Older Centerline (Base)



Newer Centerline (Update)



Change Detection Output (PROPOSAL)



### Change Type: TRIM

Definition: This is a new centerline record (update) that had its beginning or ending shortened as compared to its older centerline representation (base).



Older Centerline (Base)



Newer Centerline (Update)



Change Detection Output (PROPOSAL)

### Change Type: EXTENSION

Definition: This is a new centerline record (update) that had its beginning or ending extended as compared to its older centerline representation (base).



Older Centerline (Base)



Newer Centerline (Update)



Change Detection Output (PROPOSAL)



### Change Type: Merge

Definition: When multiple older centerline records (base) are now 1 record in the new centerline representation (update)



Older Centerline (Base)



Newer Centerline (Update)



Change Detection Output (PROPOSAL)

### Change Type: SPLIT

Definition: This is an older centerline record (base) that is now multiple records in the update centerline representation (update)



Older Centerline (Base)



Newer Centerline (Update)



Change Detection Output (PROPOSAL)

### Change Type: Partial Reshape / Retain Geo

Definition: The partial reshape and retain geometry output records represent a centerline in which only a portion its shape has changed. The partial reshape record designates the portion of the centerline record that has changed between the older centerline (base) and the new centerline (update). The retain geometry record designates the portion of the centerline record that has NOT changed between the older centerline (base) and the new centerline (update).



Older Centerline (Base)



Newer Centerline (Update)



Change Detection Output (PROPOSAL)



### Change Type: SCALAR\_UPDATE

Definition: This is when a record has no shape change between the older (base) and newer (update) centerline, but an address value and/or a road name value has changed.



Older Centerline (Base)



Newer Centerline (Update)



Change Detection Output (PROPOSAL)

### Change Type: SCALAR – ‘Change Type’

Definition: This type represents an output record that has both a road name and/or address value change as well as a shape change. In the ‘TYPE’ field of the output it is labelled as SCALAR – ‘One of the Change Types’. For example a centerline record whose shape was shortened as well as having a road name change would be labelled as ‘SCALAR – TRIM’ in the ‘TYPE’ field.



Older Centerline (Base)



Newer Centerline (Update)



Change Detection Output (PROPOSAL)

## Centerline Comparison Output (Proposal) Fields:

Output Data: File Geodatabase Feature Class (ESRI)

Feature Class Name: Proposal

Fields: 24

- The output (Proposal) contains a spatial representation of what has changed between an older (base) centerline file and a newer (update) centerline file. Only the spatial representations of records that have changed exist in the output, the records that have not changed are not included.

ADDRESS_CHANGE	BASE_ADDR_LEFT_F	BASE_ADDR_LEFT_T	BASE_ADDR_RIGHT_F	BASE_ADDR_RIGHT_T	BASE_ID	BASE_NAME	GEOM_CHANGE	MANY_BASE_ID	MANY_RELATIONSHIP	MANY_UPDATE_ID	NAME_CHANGE
Y	1201	<Null>	1200	<Null>	4834	<Null>	Y	<Null>	<Null>	<Null>	N
Y	1201	<Null>	1200	<Null>	4834	<Null>	N	<Null>	<Null>	<Null>	N
<Null>	<Null>	<Null>	<Null>	<Null>	3758	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
Y	0	0	0	0	4394	UNRESOLVED RD	Y	<Null>	<Null>	<Null>	Y
N	<Null>	<Null>	<Null>	<Null>	564	<Null>	Y	<Null>	<Null>	<Null>	N
N	<Null>	<Null>	<Null>	<Null>	423	<Null>	N	<Null>	<Null>	<Null>	N
N	<Null>	<Null>	<Null>	<Null>	3397	<Null>	Y	<Null>	<Null>	<Null>	N
N	<Null>	<Null>	<Null>	<Null>	3397	<Null>	N	<Null>	<Null>	<Null>	N
Y	<Null>	1451	<Null>	1450	5597	<Null>	N	<Null>	<Null>	<Null>	N
N	<Null>	<Null>	<Null>	<Null>	6336	<Null>	Y	<Null>	<Null>	<Null>	N
N	<Null>	<Null>	<Null>	<Null>	6336	<Null>	N	<Null>	<Null>	<Null>	N
<Null>	<Null>	<Null>	<Null>	<Null>	2070	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
N	<Null>	<Null>	<Null>	<Null>	1553	<Null>	Y	<Null>	<Null>	<Null>	N
N	<Null>	<Null>	<Null>	<Null>	1553	<Null>	N	<Null>	<Null>	<Null>	N

Notes	PROPOSAL_ID	Shape_Length	TYPE	UPDATE_ADDR_LEFT_F	UPDATE_ADDR_LEFT_T	UPDATE_ADDR_RIGHT_F	UPDATE_ADDR_RIGHT_T	UPDATE_ID	UPDATE_NAME	OBJECTID *	SHAPE *
<Null>	5	55.922434	SCALAR - PARTIAL RESHAPE	1191	<Null>	1190	<Null>	4830	<Null>	6	Polyline
<Null>	6	1402.816917	SCALAR - RETAIN GEOM	1191	<Null>	1190	<Null>	4830	<Null>	7	Polyline
Possible merge or reshape	7	2021.957725	DELETE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	8	Polyline
<Null>	8	1658.177056	SCALAR - RESHAPE	1751	1829	1750	1830	3756	N LOMA MARIPOSA RD	9	Polyline
<Null>	9	507.830762	PARTIAL RESHAPE	<Null>	<Null>	<Null>	<Null>	564	<Null>	10	Polyline
<Null>	10	1642.036679	RETAIN GEOM	<Null>	<Null>	<Null>	<Null>	423	<Null>	11	Polyline
<Null>	11	131.851053	PARTIAL RESHAPE	<Null>	<Null>	<Null>	<Null>	3395	<Null>	12	Polyline
<Null>	12	1594.341201	RETAIN GEOM	<Null>	<Null>	<Null>	<Null>	3395	<Null>	13	Polyline
<Null>	13	320.2875	SCALAR - EXTENSION	<Null>	1481	<Null>	1480	5592	<Null>	14	Polyline
<Null>	14	59.494076	TRIM	<Null>	<Null>	<Null>	<Null>	6330	<Null>	15	Polyline
<Null>	15	840.336888	RETAIN GEOM	<Null>	<Null>	<Null>	<Null>	6330	<Null>	16	Polyline
Possible merge or reshape	16	631.144527	DELETE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	17	Polyline
<Null>	17	179.009601	PARTIAL RESHAPE	<Null>	<Null>	<Null>	<Null>	1552	<Null>	18	Polyline
<Null>	18	786.53979	RETAIN GEOM	<Null>	<Null>	<Null>	<Null>	1552	<Null>	19	Polyline

**Change Designation Fields:**

TYPE – Contains the change types which we went over in the previous slides

ADDRESS\_CHANGE - Indicates whether the record represents an Address Change Y (Yes), N (No), NULL (N/A)

NAME\_CHANGE - Indicates whether the record represents a road name change Y (Yes), N (No), NULL (N/A)

GEOM\_CHANGE - Indicates whether the record represents a shape change Y (Yes), N (No), NULL (N/A)

TYPE	ADDRESS_CHANGE	NAME_CHANGE	GEOM_CHANGE
SPLIT	N	N	Y
SCALAR UPDATE	N	Y	<Null>
SCALAR - TRIM	Y	N	N
SCALAR - RETAIN GEOM	Y	N	N
PARTIAL RESHAPE	N	N	Y
RETAIN GEOM	N	N	N
SCALAR - MERGE	N	Y	Y
RETAIN GEOM	N	N	N
SPLIT	N	N	Y
ADD	<Null>	<Null>	<Null>
DELETE	<Null>	<Null>	<Null>
SCALAR UPDATE	N	Y	<Null>
SCALAR UPDATE	Y	Y	<Null>
RESHAPE	N	N	Y
SCALAR - MERGE	N	Y	Y
SCALAR UPDATE	N	Y	<Null>
DELETE	<Null>	<Null>	<Null>

**Relationship fields:**

BASE\_ID – The OBJECTID of the older centerline record (base) which this output data file (proposal) record is referencing

UPDATE\_ID – The OBJECTID of the newer centerline record (update) which this output data file (proposal) record is referencing

PROPOSAL\_ID – A unique ID for the output data file (proposal)

TYPE	BASE_ID	UPDATE_ID	PROPOSAL_ID
SPLIT	6699	6693	27
SCALAR UPDATE	1958	1957	28
SCALAR - TRIM	5597	5592	29
SCALAR - RETAIN GEOM	5597	5592	30
PARTIAL RESHAPE	3481	3479	31
RETAIN GEOM	3481	3479	32
SCALAR - MERGE	7047	1144	33
RETAIN GEOM	6322	8367	34
SPLIT	6699	8368	35
ADD	<Null>	8369	36
DELETE	828	<Null>	37
SCALAR UPDATE	886	885	38
SCALAR UPDATE	8358	8349	39
RESHAPE	5152	5147	40
SCALAR - MERGE	7132	1144	41
SCALAR UPDATE	6215	6210	42
DELETE	4835	<Null>	43



**Attribute Value (Scalar) Change Fields:**

BASE\_NAME – The road name of the older centerline record (base). This is only populated if there is a road name change in the newer centerline record (update).

UPDATE\_NAME – The road name of the older centerline record (base). This is only populated if there is a road name change in the newer centerline record (update).

BASE\_ADDR\_LEFT\_F – The 'left-from' address value of the older centerline record (base). This is only populated if there is a 'left-from' address value change between the older (base) and newer centerline (update) record.

UPDATE\_ADDR\_LEFT\_F – The 'left-from' address value of the newer centerline record (update). This is only populated if there is a 'left-from' address value change between the older (base) and newer centerline (update) record.

BASE\_ADDR\_LEFT\_T – The 'left-to' address value of the older centerline record (base). This is only populated if there is a 'left-to' address value change between the older (base) and newer centerline (update) record.

UPDATE\_ADDR\_LEFT\_T – The 'left-to' address value of the newer centerline record (update). This is only populated if there is a 'left-to' address value change between the older (base) and newer centerline (update) record.

BASE\_ADDR\_RIGHT\_F – The 'right-from' address value of the older centerline record (base). This is only populated if there is a 'right-from' address value change between the older (base) and newer centerline (update) record.

UPDATE\_ADDR\_RIGHT\_F – The 'right-from' address value of the newer centerline record (update). This is only populated if there is a 'right-from' address value change between the older (base) and newer centerline (update) record.

BASE\_ADDR\_RIGHT\_T – The 'right-to' address value of the older centerline record (base). This is only populated if there is a 'right-to' address value change between the older (base) and newer centerline (update) record.

UPDATE\_ADDR\_RIGHT\_T – The 'right-to' address value of the newer centerline record (update). This is only populated if there is a 'right-to' address value change between the older (base) and newer centerline (update) record.

TYPE	BASE_NAME	UPDATE_NAME	BASE_ADDR_LEFT_F	UPDATE_ADDR_LEFT_F	BASE_ADDR_LEFT_T	UPDATE_ADDR_LEFT_T	BASE_ADDR_RIGHT_F	UPDATE_ADDR_RIGHT_F	BASE_ADDR_RIGHT_T	UPDATE_ADDR_RIGHT_T
SCALAR - PARTIAL RESHA	<Null>	<Null>	1201	1191	<Null>	<Null>	1200	1190	<Null>	<Null>
SCALAR - RETAIN GEOM	<Null>	<Null>	1201	1191	<Null>	<Null>	1200	1190	<Null>	<Null>
SCALAR - RESHAPE	UNRESOLVED RD	N LOMA MARIPOSA RD	0	1751	0	1829	0	1750	0	1830
SCALAR - EXTENSION	<Null>	<Null>	<Null>	<Null>	1451	1481	<Null>	<Null>	1450	1480
SCALAR - TRIM	<Null>	<Null>	<Null>	<Null>	1451	1481	<Null>	<Null>	1450	1480
SCALAR - RETAIN GEOM	<Null>	<Null>	<Null>	<Null>	1451	1481	<Null>	<Null>	1450	1480
SCALAR - PARTIAL RESHA	<Null>	<Null>	<Null>	<Null>	1149	1189	<Null>	<Null>	1148	1188
SCALAR - RETAIN GEOM	<Null>	<Null>	<Null>	<Null>	1149	1189	<Null>	<Null>	1148	1188
SCALAR UPDATE	<Null>	CANELO HILLS RD	<Null>	0	<Null>	0	<Null>	0	<Null>	0
SCALAR - MERGE	UNRESOLVED RD	FOREST SERVICE 818 RD	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
SCALAR - MERGE	UNRESOLVED RD	FOREST SERVICE 818 RD	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
SCALAR UPDATE	UNRESOLVED RD	FOREST SERVICE 4871 RD	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
SCALAR UPDATE	UNRESOLVED RD	FOREST SERVICE 4653 RD	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
SCALAR UPDATE	UNRESOLVED RD	FOREST SERVICE 4201 RD	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>

**Other Fields:**

MANY\_RELATIONS – Has a value of ‘Y’ if the process output record (proposal) represents a relationship between more than 1 newer centerline record (update) and/or more than 1 older centerline record (base)

MANY\_BASE\_ID – If a ‘many relationship’ involves multiple older centerline records (base), this field is populated with the ‘BASE\_ID’ values of those records separated by a ‘|’ (pipe delimited)

MANY\_UPDATE\_ID – If a ‘many relationship’ involves multiple newer centerline records (base), this field is populated with the ‘UPDATE\_ID’ values of those records separated by a ‘|’ (pipe delimited)

TYPE	MANY_RELATIONS	MANY_BASE_ID	MANY_UPDATE_ID
MERGE	Y	1145 7047 7132 7	<Null>
SCALAR - MERGE	Y	1145 7047 7132 7	<Null>
SCALAR - MERGE	Y	1145 7047 7132 7	<Null>
MERGE	Y	1145 7047 7132 7	<Null>
SPLIT	Y	<Null>	6693 8368
SPLIT	Y	<Null>	6693 8368